IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1-9. (Canceled)

10. (Currently Amended) An electronic device, comprising:

a rotary operating unit that is freely rotating, configured to accept rotating operation of a user,

an active element for detecting rotation of said rotary operating unit, and

control means for controlling a power supply to said active element, wherein

the electronic device has three operation modes, ~~and~~

said control means controls the power supply to said active element depending on said modes, and

said active element generates pulse signals having a phase difference depending on a direction of rotation of said rotary operating unit.

11. (Previously Presented) An electronic device according to claim 10, wherein

said active element includes a first and second active elements and

said control means controls the power supply to one of said first and second active elements in at least one of said three modes.

12. (Previously Presented) An electronic device according to claim 11, further comprising:

first and second power-supply control means for switching on and off the power supplied to each of said first and second active elements, wherein

said control means makes said first and second power-supply control means on in a normal use mode, and makes said first power-supply control means on and said second power-supply control means off in a first stand-by mode.

13. (Previously Presented) An electronic device according to claim 12, wherein

said control means further makes said first and second power-supply control means off in a second stand-by mode where key operation setting is forbidden.

14. (Previously Presented) An electronic device according to claim 12, further comprising:

pulse-detecting means for detecting a pulse signal transmitted from the first active element in response to rotation of said rotary operating unit to generate an interrupt signal, wherein

said control means makes said second power-supply control means on by the interrupt signal from said pulse-detecting means when said rotary operating unit is operated to rotate in said first stand-by mode.

15. (Previously Presented) An electronic device according to claim 14, wherein

said control means makes said first power-supply control means or both of the first and second power-supply control means on, when key operation forbidden setting is released in said second stand-by mode.

16. (Previously Presented) An electronic device according to claim 11, further comprising:

power-supply control means for switching on and off the power supply to said second active element, wherein

said control means makes said power-supply control means on in a normal use mode and makes said power-supply control means off in a stand-by mode.

17. (Previously Presented) An electronic device according to claim 16, further comprising:

pulse-detecting means for detecting a pulse signal transmitted from the first active element in response to rotary operation of said rotary operating unit to generate an interrupt signal, wherein

said control means makes said power-supply control means on by the interrupt signal from said pulse-detecting means, when said rotary operating unit is operated to rotate in said stand-by mode.

18. (Previously Presented) An electronic device according to claim 12, wherein

said electronic device has a structure in which a first casing and a second casing are connected to be capable of being opened and closed, and

said control means shifts to the second stand-by mode and makes said first and second power-supply control means off when said casings are closed, and shifts to the normal use mode and makes said first and second power-supply control means on when said casings are opened.

19. (Previously Presented) An electronic device according to claim 11, further comprising:

a third power-supply control means for switching on and off power supply to a backlight for lighting display means, wherein

said control means makes said first power-supply control means on and makes said second and third power-supply control means off, when shifted from said normal use mode to said first stand-by mode.